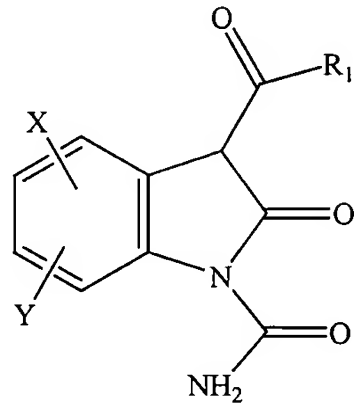
LISTING OF PENDING CLAIMS:

1. (Amended Once) A method of treating hair loss comprising administering to a mammal an effective amount of a composition comprising a compound having the structure:



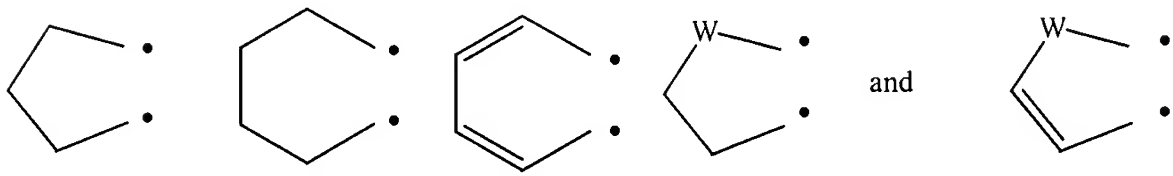
or a pharmaceutically acceptable salt, hydrate, tautomer, or biohydrolyzable amide or ester thereof, wherein:

(a) X is selected from the group consisting of hydrogen, fluoro, chloro, bromo, nitro, cyano, thio, alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 8 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, trifluoromethyl, alkylsulfonyl having 1 to 4 carbon atoms, phenyl, alkanoyl having 2 to 4 carbon atoms, benzoyl, thenoyl, alkanamido having 2 to 4 carbon atoms, benzamido, and N, N-dialkylsulfamoyl;

(b) Y is selected from the group consisting of hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, and trifluoromethyl ;

(c) or wherein X and Y are bonded together to form a 4,5-, 5,6-, or 6,7-methylenedioxy group or a 4,5-, 5,6-, or 6,7-ethylenedioxy group; or wherein when X and Y are

bonded together and attached to adjacent carbon atoms, form a divalent radical Z, wherein Z is selected from the group consisting of :



wherein W is selected from the group consisting of oxygen and sulfur;

(d) R_1 is selected from the group consisting of alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, cycloalkenyl having 4 to 7 carbons, phenyl, substituted phenyl, phenylalkyl, substituted phenyl [(substituted phenyl)] alkyl, phenoxyalkyl, substituted phenoxy [(substituted phenoxy)] alkyl, naphthyl, bicyclo [2.2.1] heptan-2-yl, bicyclo [2.2.1] hept-5-en-2-yl, and $-(CH_2)_n$-Q-R_o ; wherein there are 1 or 2 substituents on the substituted phenyl, the substituted phenyl [(substituted phenyl)], and the substituted phenoxy [(substituted phenoxy)] alkyl which are each, independently, selected from the group consisting of fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, and trifluoromethyl;

(e) n is an integer selected from the group consisting of 0, 1, and 2;

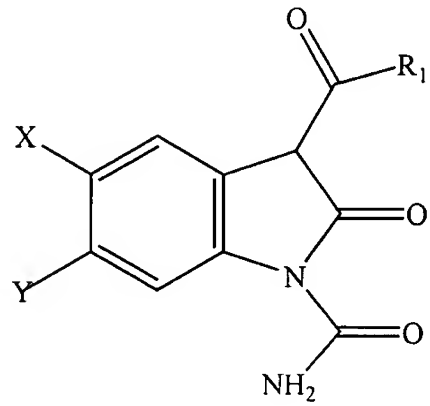
(f) Q is selected from the group consisting of furan, thiophene, pyrrole, pyrazole, imidazole, thiazole, isothiazole, oxazole, isoxazole, 1,2,3-thiadiazole, 1,3,4 thiadiazole, 1,2,5-thiadiazole, tetrahydrofuran, tetrahydrothiophene, tetrahydropyran, tetrahydrothiopyran, pyridine, pyrimidine, pyrazine, benzo[b]furan, and benzo[b]thiophene; and

(g) R_o is selected from the group consisting of hydrogen, chloro, fluoro, bromo, and alkyl having 1 to 4 carbon atoms,

wherein the amount of the composition is effective in treating hair loss.

2. (Original) A method according to Claim 1 wherein X is selected from the group consisting of hydrogen, fluoro, chloro, bromo, nitro, trifluoromethyl, methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl,-$SOCH_3$, -SOC_4H_9, -SO_2CH_3,-$SO_2C_4H_9$, methoxy, ethoxy, n-propoxy, iso-propoxy, n-butoxy, iso-butoxy, -SCH_3, -SC_4H_9, phenyl, alkanoyl having 2 to 3 carbon atoms, benzoyl, thenoyl, alkanamido having 2 carbon atoms, -$NHCOCH(CH_3)_2$, benzamido, and N-N dialkylsulfamoyl.

3. (Original) A method according to Claim 2 wherein the compound has the structure:

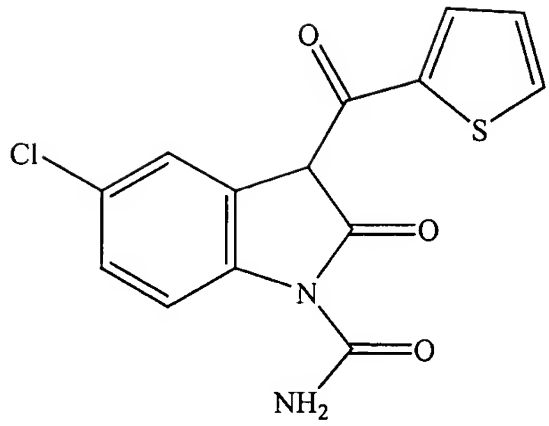


4. (Original) A method according to Claim 3 wherein Y is selected from the group consisting of hydrogen, fluoro, chloro, bromo, methyl, and methoxy.

5. (Original) A method according to Claim 4 wherein R_1 is -$(CH_2)_n$-Q-R_o.

6. (Original) A method according to Claim 5 wherein Y is hydrogen, n is 0, Q is selected from the group consisting of furan, thiophene, and pyrrole, and R_o is hydrogen.

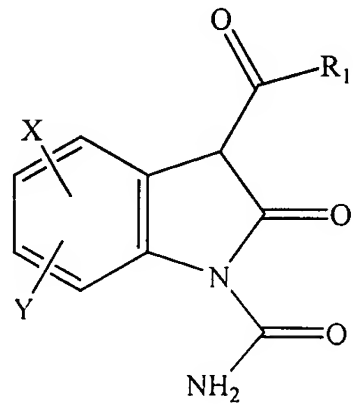
7. (Original) A method according to Claim 6 wherein the compound has the structure:



8. (Original) A method according to Claim 7 wherein the administration is topical.

9. (Original) A method according to Claim 8 further comprising topically administering minoxidil to the mammal.

10. (Amended Once) A composition comprising minoxidil and a compound having the structure:

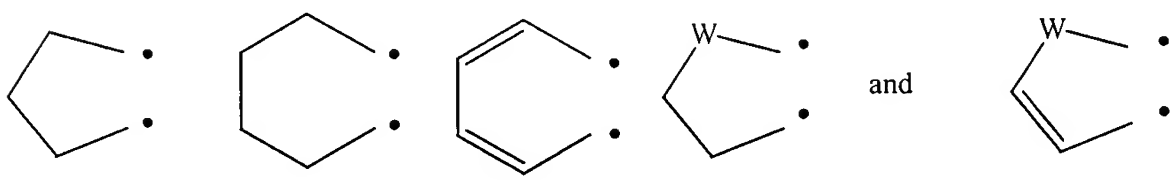


or a pharmaceutically acceptable salt, hydrate, tautomer, or biohydrolyzable amide or ester thereof, wherein:

(a) X is selected from the group consisting of hydrogen, fluoro, chloro, bromo, nitro, cyano, thio, alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 8 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, trifluoromethyl, alkylsulfonyl having 1 to 4 carbon atoms, phenyl, alkanoyl having 2 to 4 carbon atoms, benzoyl, thenoyl, alkanamido having 2 to 4 carbon atoms, benzamido, and N, N-dialkylsulfamoyl;

(b) Y is selected from the group consisting of hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, and trifluoromethyl;

(c) or wherein X and Y are bonded together to form a 4,5-, 5,6-, or 6,7-methylenedioxy group or a 4,5-, 5,6-, or 6,7-ethylenedioxy group; or wherein when X and Y are bonded together and attached to adjacent carbon atoms, form a divalent radical Z, wherein Z is selected from the group consisting of :



wherein W is selected from the group consisting of oxygen and sulfur;

(d) R_1 is selected from the group consisting of alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, cycloalkenyl having 4 to 7 carbons, phenyl, substituted phenyl, phenylalkyl, substituted phenyl [(substituted phenyl)] alkyl, phenoxyalkyl, substituted phenoxy [(substituted phenoxy)] alkyl, naphthyl, bicyclo[2.2.1]heptan-2-yl, bicyclo[2.2.1]hept-5-en-2-yl, and $-(CH_2)_n$-Q-R_0 ; wherein

there are 1 or 2 substituents on the substituted phenyl, the substituted phenyl [(substituted phenyl)], and the substituted phenoxy [(substituted phenoxy)] alkyl which are each, independently, selected from the group consisting of fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, and trifluoromethyl;

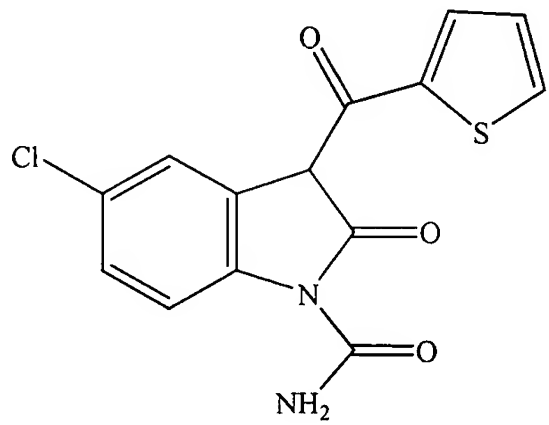
(e) n is an integer selected from the group consisting of 0, 1, and 2;

(f) Q is selected from the group consisting of furan, thiophene, pyrrole, pyrazole, imidazole, thiazole, isothiazole, oxazole, isoxazole, 1,2,3-thiadiazole, 1,3,4 thiadiazole, 1,2,5-thiadiazole, tetrahydrofuran, tetrahydrothiophene, tetrahydropyran, tetrahydrothiopyran, pyridine, pyrimidine, pyrazine, benzo[b]furan, and benzo[b]thiophene; and

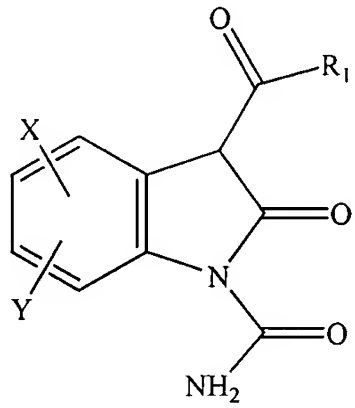
(g) R_o is selected from the group consisting of hydrogen, chloro, fluoro, bromo, and alkyl having 1 to 4 carbon atoms,

with the proviso that the composition does not comprise tenidap.

11. (Amended Once) A composition according to Claim 10 wherein the compound has the structure:



12. (Amended Once) A method of treating hair loss comprising administering to a mammal an effective amount of a composition comprising a compound having the structure:



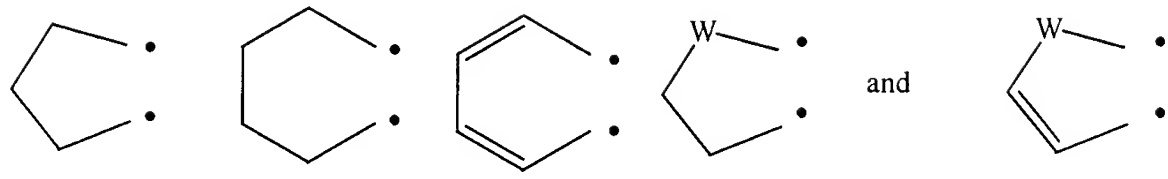
or a pharmaceutically acceptable salt, hydrate, or tautomer thereof, wherein:

X is selected from hydrogen, fluoro, chloro, bromo, nitro, cyano, thio, alkyl having 1to 6 carbon atoms, cycloalkyl having 3 to 8 carbon atoms, alkoxy having 1 to 4 carbonatoms, alkylthio having 1 to 4 carbon atoms, trifluoromethyl, alkylsulfonyl having 1 to 4 carbon atoms, phenyl, alkanoyl having 2 to 4 carbon atoms, benzoyl, thenoyl, alkanamido having 2 to 4 carbon atoms, benzamido, and N, N-dialkylsulfamoyl;

(b) Y is selected from hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, and trifluoromethyl;

(c) or wherein X and Y are bonded together to form a 4,5-, 5,6-, or 6,7-methylenedioxy group or a 4,5-, 5,6-, or 6,7-ethylenedioxy group; or wherein when X and Y are bonded together and attached to adjacent carbon atoms, form a divalent radical Z,

wherein Z is selected from:



wherein W is selected from oxygen and sulfur;

(d) R_l is selected from alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, cycloalkenyl having 4 to 7 carbons, phenyl, substituted phenyl, phenylalkyl, substituted phenyl [(substituted phenyl)], substituted phenoxy [(substituted phenoxy)] alkyl, naphthyl, bicyclo[2.2.1]heptan-2-yl, bicyclo[2.2.1]hept-5-en-2-yl, and $-(CH_2)_n$-Q-R_o; whereinthere are 1 or 2 substituents on the substituted phenyl, the substituted phenyl [(substituted phenyl)], and the substituted phenoxy [(substituted phenoxy)] alkyl which are each, independently, selected from the group consisting of fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, and trifluoromethyl;

(e) n is an integer selected from 0, 1, and 2;

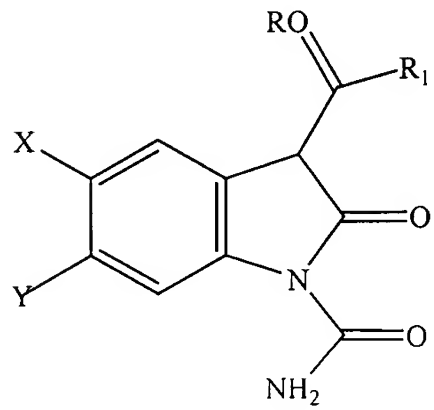
(f) Q is selected from furan, thiophene, pyrrole, pyrazole, imidazole, thiazole, isothiazole, oxazole, isoxazole, 1,2,3-thiadiazole, 1,3,4-thiadiazole, 1,2,5-thiadiazole, tetrahydrofuran, tetrahydrothiophene, tetrahydropyran, tetrahydrothiopyran, pyridine, pyrimidine, pyrazine, benzo[b]furan, and benzo[b]thiophene;

(g) R_o is selected from hydrogen, chloro, fluoro, bromo, and alkyl having 1 to 4 carbon atoms; and

(h) R is selected from alkanoyl having 2 to 10 carbon atoms, phenylalkanoyl having 7 to 10 carbon atoms, alkoxycarbonyl having 2 to 10 carbon atoms, phenoxycarbonyl, alkylsulfonyl having 1 to 4 carbon atoms, and alkyl having 1 to 4 carbon atoms, wherein the amount of the composition is effective in treating hair loss.

13. (Original) A method according to Claim 12 wherein X is selected from the group consisting of hydrogen, fluoro, chloro, bromo, nitro, trifluoromethyl, methyl, ethyl, n-propyl, iso-propyl, n-butyl, iso- butyl, $-SOCH_3$, $-SOC_4H_9$, $-SO_2CH_3$, $-SO_2C4H_9$, methoxy, ethoxy, n-propoxy, iso-propoxy, n butoxy, iso-butoxy,$-SCH_3$,$-SC_4H_9$, phenyl, alkanoyl having 2 to 3 carbon atoms, benzoyl, thenoyl, alkanamido having 2 carbon atoms,$-NHCOCH(CH_3)_2$, benzamido, and N-N dialkylsulfamoyl.

14. (Original) A method according to Claim 13 wherein the compound has the structure:

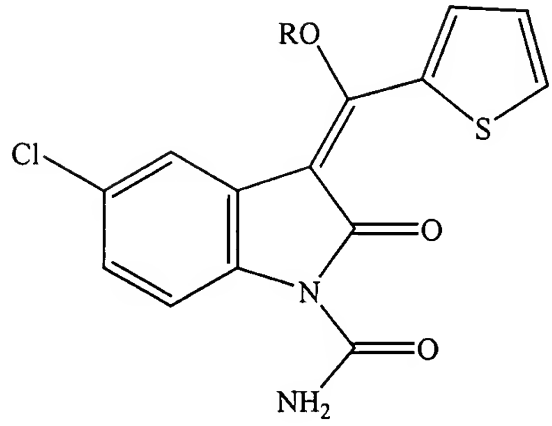


15. (Original) A method according to Claim 14 wherein Y is selected from the group consisting of hydrogen, fluoro, and chloro.

16. (Original) A method according to Claim 15 wherein R, is $-(CH_2)_n$-Q-R_0.

17. (Original) A method according to Claim 16 wherein Y is hydrogen, n is 0, Q is selected from the group consisting of furan, thiophene, and pyrrole, and R_o is hydrogen.

18. (Amended Once) A method according to Claim 17 wherein the compound has the structure:

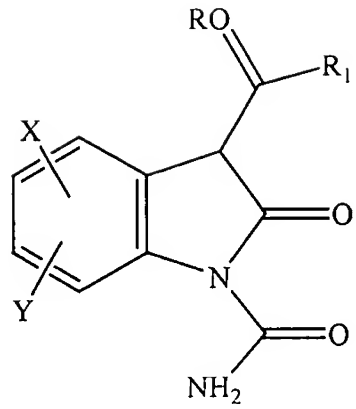


19. (Original) A method according to Claim 18 wherein R is selected from the group consisting of alkanoyl having 2 to 4 carbon atoms and alkyl having 1 to 3 carbon atoms.

20. (Original) A method according to Claim 19 wherein the administration is topical

21. (Original) A method according to Claim 20 further comprising topically administering minoxidil to the mammal.

22. (Amended Once) A composition consisting essentially of [comprising] minoxidil and a compound having the structure:

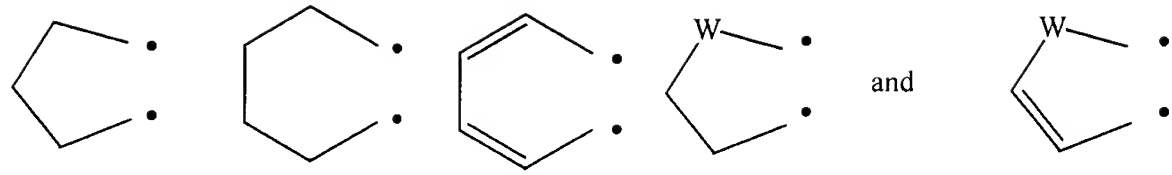


or a pharmaceutically acceptable salt, hydrate, or tautomer thereof, wherein:

(a) X is selected from hydrogen, fluoro, chloro, bromo, nitro, cyano, thio, alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 8 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, trifluoromethyl, alkylsulfonyl having 1 to 4 carbon atoms, phenyl, alkanoyl having 2 to 4 carbon atoms, benzoyl, thenoyl, alkanamido having 2 to 4 carbon atoms, benzamido, and N, N-dialkylsulfamoyl;

(a) Y is selected from hydrogen, fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, and trifluoromethyl;

(c) or wherein X and Y are bonded together to form a 4,5-, 5,6-, or 6,7-methylenedioxy group or a 4,5-, 5,6-, or 6,7-ethylenedioxy group; or wherein when X and Y are bonded together and attached to adjacent carbon atoms, form a divalent radical Z, wherein Z is selected from:



wherein W is selected from oxygen and sulfur ;

(d) R_l is selected from alkyl having 1 to 6 carbon atoms, cycloalkyl having 3 to 7 carbon atoms, cycloalkenyl having 4 to 7 carbons, phenyl, substituted phenyl, phenylalkyl, substituted phenyl [(substituted phenyl)], substituted phenoxy [(substituted phenoxy)] alkyl, naphthyl, bicyclo[2.2.1]heptan-2-yl, bicyclo[2.2.1]hept-5-en-2-yl, and $-(CH_2)_n-Q-R_o$; whereinthere are 1 or 2 substituents on the substituted phenyl, the substituted phenyl [(substituted phenyl)], and the substituted phenoxy [(substituted phenoxy)] alkyl which are each, independently, selected from the group consisting of fluoro, chloro, bromo, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, and trifluoromethyl;

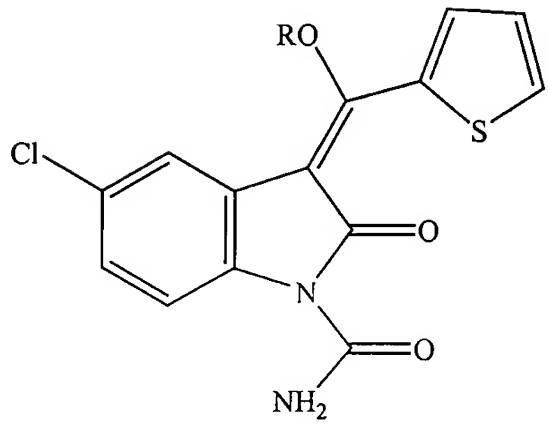
(e) n is an integer selected from 0, 1, and 2;

(f) Q is selected from furan, thiophene, pyrrole, pyrazole, imidazole, thiazole, isothiazole, oxazole, isoxazole, 1,2,3-thiadiazole, 1,3,4-thiadiazole, 1,2,5-thiadiazole, tetrahydrofuran, tetrahydrothiophene, tetrahydropyran, tetrahydrothiopyran, pyridine, pyrimidine, pyrazine, benzo[b]furan, and benzo[b]thiophene;

(g) R_o is selected from hydrogen, chloro, fluoro, bromo, and alkyl having 1 to 4 carbon atoms; and

(h) R is selected from alkanoyl having 2 to 10 carbon atoms, phenylalkanoyl having 7 to 10 carbon atoms, alkoxycarbonyl having 2 to 10 carbon atoms, phenoxycarbonyl, alkylsulfonyl having 1 to 4 carbon atoms, and alkyl having 1 to 4 carbon atoms.

23. (Amended Once) A composition according to Claim 22 wherein the compound has the structure:



24. (New) The method of claim 1, with the proviso that the composition does not comprise tenidap.

25. (New) The method of claim 24, wherein the composition consists essentially of the compound.

26. (New) The method of claim 1, wherein the administration comprises at least one of oral, rectal, nasal, ocular or parenteral.

27. (New) The method of claim 1, wherein about the compound is co-administered as a composition with at least one of pharmaceutically-acceptable, a cosmetically-acceptable carrier and a combination thereof.

28. (New) The method of claim 1, wherein the effective amount comprises about 5 mg to about 3000 mg.

29. (New) The method of claim 1, wherein the composition consists essentially of the compound.

30. (New) The composition of claim 10, wherein the composition consists essentially of the compound.

31. (New) The method of claim 12, with the proviso that the composition does not comprise tenidap.

32. (New) The method of claim 12, wherein the effective amount comprises about 5 mg to about 3000 mg.

33. (New) The method of claim 12, wherein the composition consists essentially of the compound.

34. (New) The composition of claim 22, with the proviso that the composition does not comprise tenidap.